

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for the production of diphtheria toxin wherein a microorganism capable of producing diphtheria toxin is fermented using glucose as a carbon source, said method comprising adding glucose to a growing culture whereby the addition of glucose maintains a microorganism growth effective to support diphtheria toxin production, wherein the fermentation medium comprises from about 0.5 to about 1.5% yeast extract.
2. (Currently amended) The method as claimed in claim 1 wherein the diphtheria toxin is a mutated diphtheria toxin having a mutation in the B subunit.
3. (Previously presented) The method as claimed in claim 2 wherein the mutated diphtheria toxin has a cytotoxic A subunit.
4. (Previously presented) The method as claimed in claim 3 wherein the mutated diphtheria toxin is CRM 107.
5. (Previously presented) The method as claimed in claim 1 wherein the microorganism is corynebacterium diphtheriae.

6. (Previously presented) The method as claimed in claim 1 wherein glucose is added in a fed batch method.
7. (Previously presented) The method as claimed in claim 6 wherein the pH is maintained at between 7.0 to about 7.5.
8. (Cancelled)
9. (Previously presented) The method as claimed in claim 1 wherein the fermentation medium comprises no more than about 1% yeast extract.
10. (Previously presented) The method as claimed in claim 1 wherein the fermentation medium comprises cystine.

Claims 11-21 (Canceled)

22. (Previously presented) The method as claimed in claim 1, wherein the microorganism is *E. coli*.
23. (Withdrawn) Diphtheria toxin having a purity of at least 98%.
24. (Withdrawn) Diphtheria toxin when produced by the method of claim 1.

25. (Withdrawn) The method for preparing a diphtheria toxin conjugate comprising conjugating a diphtheria toxin produced by the method of claim 1 with a cell specific binding or targeting moiety.
26. (Withdrawn) The method as claimed in claim 25 wherein the cell specific binding or targetting moiety is transferrin.
27. (Withdrawn) The method of treatment of CNS neoplasm comprising administering to a subject a diphtheria toxin conjugate as produced by the method of claim 1.
28. (Withdrawn) The use of a diphtheria toxin conjugate produced by the method of claim 25 in the manufacture of a medicament for use in the treatment of CNS neoplasm.